

80000 SERIES  
10<sup>6</sup> P.C.W  
SECURE

9 The confidential deposition of DONALD  
10 NEIL HALBERT, Ph.D., called as a witness for  
11 examination, taken pursuant to the Federal Rules of  
12 Civil Procedure of the United States District  
13 Courts pertaining to the taking of depositions,  
14 taken before ANDREA L. CARTER, a Notary Public  
15 within and for the County of Cook, State of  
16 Illinois, and a Certified Shorthand Reporter of  
17 said state, CSR No. 84-3722, at 100 Abbott Park  
18 Road, Abbott, Illinois, on the 19th day of April,  
19 A.D. 2001, at 10:17 a.m.

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1 definition of amplify that we looked at in column 2  
2 of the '338 patent?

3 A. I don't recall.

4 Q. Are you aware of anyone else at either  
5 Gene-Trak or Amoco that during -- again bracketing  
6 those two dates that did any work that you would  
7 believe fell within the definition of amplify?

8 A. I really don't recall.

9 Q. During the discussions that took place  
10 between you -- some combination of you,  
11 Dr. Lawrie, Dr. King, Dr. Collins that we have  
12 talked about earlier, were there proposals advanced  
13 for methods to amplify nucleic acids that had been  
14 captured using a capture probe?

15 A. I believe that's correct.

16 Q. What proposals were advanced?

17 A. I can recall nonspecific methods of  
18 amplification as defined by random hexamer probe  
19 amplification and other types of enzyme --  
20 enzymatic amplification. Frankly, I am not sure  
21 whether my recollection is accurate going back to  
22 that date or whether it's based on me going back  
23 and reviewing some of the documents that I have  
24 seen in the meantime.

1           Q.     Including the invention disclosure?

2           A.     Correct.

3           Q.     Is it true that there was a general  
4 desire -- again, I will use these same dates of.  
5 bracketing November 1985 and 1986 unless I indicate  
6 otherwise. But during this time frame, that there  
7 was a desire to identify amplification techniques  
8 that could be used to amplify a nucleic acid that  
9 did not involve PCR?

10          A.     Yes.

11          Q.     And is it true that the reason why there  
12 was a desire to find something other than PCR is at  
13 least in part that there were questions --  
14 scientific, technical questions as to whether or  
15 not PCR at that time could be adequately  
16 quantitated for use in a diagnostic assay?

17          A.     I seem to recall those types of  
18 discussions, yes.

19          Q.     And was there -- wasn't there also a  
20 concern within the Amtrack -- Amtrack. It would  
21 have been a great name if they combined the  
22 companies between the Amoco and Gene-Trak.

23          MR. BANKS: I think that was taken.

24          BY MR. SWINTON:

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1           Q.     Between the Amoco and Gene-Trak teams,  
2     wasn't there also a concern that helped to motivate  
3     in part this desire to find something other than  
4     PCR that there were concerns about whether or not  
5     PCR was going to be available for other  
6     participants in the industry to use other than the  
7     then presumed owner of Cetus?

8           A.     Yes.

9           MR. VESSELINOVITCH:   Objection to the --  
10   BY MR. SWINTON:

11          Q.     Where there any other concerns expressed  
12     among this assembled group during this time period  
13     that motivated a desire to find an amplification  
14     method other than PCR?

15          A.     Could you repeat that question?

16          Q.     Sure.   Were there any other concerns  
17     expressed among this assembled group during this  
18     time frame that formed at least in part a  
19     motivation to find an amplification method other  
20     than PCR?

21          MR. BANKS:   Object to form.

22   BY THE WITNESS:

23          A.     Not that I recall.

24   BY MR. SWINTON:

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